

## EAST Search History

S25 1	1425	(musical adj instrument or guitar) and (bandsplitter or Split\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 09:58
S25 2	27	S245 and S251 and @ay<="1998"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 09:58
S25 3	197710	((equi-phase) or (equal adj phase)) or ("same" with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 13:02
S25 4	820	((equi adj phase) or (equiphase))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 11:15
S25 5	117	((equi adj phase) or (equi-phase) or (equiphase)) and distort\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 11:16
S25 6	2777	(without adj phase adj shift) or (no adj time adj delay\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 11:20
S25 7	3141	(without adj phase adj shift) or (no adj phase adj shift)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 11:20
S25 8	1176	(musical adj instrument) and (bandsplitter or Split\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 11:21
S25 9	1392	(musical adj instrument or guitar) and (bandsplitter or Split\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 11:22
S26 0	502	S258 and S259 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 11:22
S26 1	68	S258 and S259 and S253 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 13:03

## EAST Search History

S26 2	0	S258 and S259 and S254 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:01
S26 3	0	S258 and S259 and S255 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:01
S26 4	1	S258 and S259 and S256 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:02
S26 5	3	S258 and S259 and S257 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:02
S26 6	1528	(( "381/118 or 381/119 or 381/120"). CCLS.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:12
S26 7	31	S266 and S253 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:12
S26 8	1920	(( "381/61-63 or 381/66 or 381/94.3"). CCLS.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:35
S26 9	90	S268 and S253 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:58
S27 0	1356	(( "381/97-100").CCLS.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:22
S27 1	94	S270 and S253 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:58
S27 2	602	(( "84/660-661 or 84/625 or 84/697"). CCLS.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 13:10
S27 3	51	S272 and S253 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:59

## EAST Search History

S27 4	276	((("84/699-700").CCLS.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:50
S27 5	16	S274 and S253 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 13:00
S27 6	1	S268 and S256 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:58
S27 7	4	S270 and S256 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:58
S27 8	2	S272 and S256 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 12:59
S27 9	1	S274 and S256 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 13:00
S28 0	52264	((in-phase) or (in adj phase))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 13:03
S28 1	9	S258 and S259 and S253 and S280 and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 13:03
S28 2	240	((84/625).CCLS.) and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/08 13:11
S28 3	13	("4706291"   "4727581"   "4731848"   "4984495"   "5025472"   "5027687"   "5029509").PN. OR ("5317104").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 13:19
S28 4	8	"5892833".uref.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 13:22
S28 5	11	"5892833"	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 13:22
S28 6	16	("3846719"   "4359601"   "4661982"   "4773094"   "4837832"   "4845758"   "4922535"   "5515446").PN. OR ("5892833").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 13:23

## EAST Search History

S12 6	67	((frequency) same band) same (echo\$3 or reverb\$8 or (special with effect)) same (audio or sound or music) and ("381"/\$.ccls.)	USPAT; EPO	OR	OFF	2003/08/22 17:37
S12 7	19	((frequency) same band) same (echo\$3 or reverb\$8 or (special with effect)) same (audio or sound or music) and ("84"/\$.ccls.)	USPAT; EPO	OR	OFF	2003/08/22 17:37
S12 8	1	("5974152").PN.	USPAT; USOCR; EPO	OR	OFF	2003/10/31 13:06
S12 9	3	((("4869336") or ("4995084") or ("5113014"))).PN.	USPAT; USOCR; EPO	OR	OFF	2004/05/08 10:06
S13 0	687	((equi\$4 adj phase\$4) or (equi-phase)) or (equiphase)	USPAT; EPO	OR	OFF	2004/05/08 10:11
S13 1	687	((equi\$4 adj phase\$4) or (equi-phase) or (equiphase))	USPAT; EPO	OR	OFF	2004/05/08 10:11
S13 2	8	((equi\$4 adj phase\$4) or (equi-phase) or (equiphase)) same distort\$4	USPAT; EPO	OR	OFF	2004/05/08 10:12
S13 3	0	((("84"/\$.ccls") and (((equi adj phase) or (equiphase) or (equi\$4 adj phase)) and Splitt\$4 )	USPAT; EPO	OR	OFF	2004/05/08 10:40
S13 4	0	((("84"/\$.ccls.) and (((equi adj phase) or (equiphase) or (equi\$4 adj phase)) and Splitt\$4 )	USPAT; EPO	OR	OFF	2004/05/08 10:40
S13 5	4341	guitar	USPAT; EPO	OR	OFF	2004/05/08 10:40
S13 6	232	guitar same (filter\$4)	USPAT; EPO	OR	OFF	2004/05/08 10:41
S13 7	0	guitar same (filter\$4) same ((equi-phase) or equiphase or (equi adj phase))	USPAT; EPO	OR	OFF	2004/05/08 10:42
S13 8	425	((equi adj phase) or (equi-phase) or (equiphase))	USPAT; EPO	OR	OFF	2004/05/13 13:18
S13 9	0	((equi adj phase) or (equi-phase) or (equiphase)) same distot\$4	USPAT; EPO	OR	OFF	2004/05/08 10:44
S14 0	6	((equi adj phase) or (equi-phase) or (equiphase)) same distort\$4	USPAT; EPO	OR	OFF	2004/05/08 11:36
S14 1	70	((equi adj phase) or (equi-phase) or (equiphase)) and distort\$4)	USPAT; EPO	OR	OFF	2006/09/08 11:16
S14 2	422	without adj phase adj shift	USPAT; EPO	OR	OFF	2004/05/08 11:51
S14 3	1398	(without adj phase adj shift) or (no adj time adj delay\$4)	USPAT; EPO	OR	OFF	2006/09/08 11:19

## EAST Search History

S20	4968	((WIENER FILTER OR (WIENER ADJ FILTER)) AND "381"/\$) AND NOISE	USPAT; EPO	OR	OFF	2002/02/12 11:29
S21	5	((((WIENER FILTER OR (WIENER ADJ FILTER)) AND "381"/\$) AND NOISE) AND (SOUND ADJ SIGNAL\$)) AND (FREQUENCY ADJ FILTER\$) AND FRAMES	USPAT; EPO	OR	OFF	2002/02/12 11:38
S22	0	((((WIENER FILTER OR (WIENER ADJ FILTER)) AND "381"/\$) AND NOISE) AND (SOUND ADJ SIGNAL\$)) AND (FREQUENCY ADJ FILTER\$) AND (SPECTRAL ADJ DENSITY)	USPAT; EPO	OR	OFF	2002/02/12 11:39
S23	24	((((WIENER FILTER OR (WIENER ADJ FILTER)) AND "381"/\$) AND NOISE) AND (SOUND ADJ SIGNAL\$)) AND (FREQUENCY ADJ FILTER\$) AND SPECTRAL	USPAT; EPO	OR	OFF	2002/02/12 11:39
S24	202	(("381/118 or 381/119 or 381/120"). CCLS.) and (loe adj pass adj filter\$ same high adj pass filter\$)	USPAT; EPO	OR	OFF	2006/09/08 12:05
S25	2	(("5789689") or ("4412100")).PN.	USPAT; USOCR; EPO	OR	OFF	2002/11/21 14:34
S26	1	"5617058".PN.	USPAT	OR	OFF	2002/11/21 14:04
S27	1	"5613010".PN.	USPAT	OR	OFF	2002/11/21 14:05
S28	3	(("4869336") or ("4995084") or ("5113014")).PN.	USPAT; USOCR; EPO	OR	OFF	2002/11/21 14:53
S29	6	"4890331".uref.	USPAT; EPO	OR	OFF	2002/11/21 14:59
S30	10	"4412100".uref.	USPAT; EPO	OR	OFF	2002/11/21 15:08
S31	4	"5789689".uref.	USPAT; EPO	OR	OFF	2002/11/21 15:08

## EAST Search History

L1	13	(musical adj instrument) and (band adj splitt\$4))	USPAT; EPO	OR	OFF	2006/09/11 09:46
L2	0	((704/226 or 704/227 or 704/228)". ccls") and (((equi adj phase) or (equiphase)) and Splitt\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/11 09:47
L3	0	((704/226 or 704/227 or 704/228)". ccls") and (((equi adj phase) or (equiphase)) and Splitt\$4)	USPAT; EPO	OR	OFF	2006/09/11 09:50
L4	0	((704/226 or 704/227 or 704/228). ccls.) and (((equi adj phase) or (equiphase)) and Splitt\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/11 09:51
S1	690	(381/118,119,120).CCLS.	USPAT; USOCR; EPO	OR	OFF	2006/09/11 09:51
S2	0	("1and(lowadjpassadjfilter\$orhighadjfilter\$").PN.	USPAT; USOCR; EPO	OR	OFF	2002/11/25 14:57
S3	0	("1and(lowadjpassadjfilter\$orhighadjpassadjfilter\$").PN.	USPAT; USOCR; EPO	OR	OFF	2002/02/06 16:52
S4	166	((("381/118,119,120").CCLS.) and (loe adj pass adj filter\$ same high adj pass filter\$)) and amplifier\$	USPAT; EPO	OR	OFF	2002/02/06 16:52
S5	0	((("381/118,119,120").CCLS.) and (loe adj pass adj filter\$ same high adj pass filter\$)) and (amplifier\$ or preamplifier\$) and distorts\$	USPAT; EPO	OR	OFF	2003/08/09 13:00
S6	167	((("381/118,119,120").CCLS.) and (loe adj pass adj filter\$ same high adj pass filter\$)) and (amplifier\$ or preamplifier\$)	USPAT; EPO	OR	OFF	2002/02/06 16:57
						2002/02/06 16:58

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		(((((WIENER FILTER OR (WIENER ADJ FILTER)) AND "381"/\$) AND NOISE) AND (SOUND ADJ SIGNAL\$)) AND (FREQUENCY ADJ FILTER\$)	USPAT; EPO	OR	OFF	2002/02/14 09:11
		(((((WIENER FILTER OR (WIENER ADJ FILTER)) AND "381"/\$) AND NOISE) AND (SOUND ADJ SIGNAL\$)) AND (FREQUENCY ADJ FILTER\$)) AND SPECTRAL ) AND FRAME\$	USPAT; EPO	OR	OFF	2002/02/12 11:40
		(((((WIENER FILTER OR (WIENER ADJ FILTER)) AND "381"/\$) AND NOISE) AND (SOUND ADJ SIGNAL\$)	USPAT; EPO	OR	OFF	2002/02/12 11:31
		(WIENER FILTER OR (WIENER ADJ FILTER)) AND (NOISY ADJ SOUND ADJ SIGNAL\$)	USPAT; EPO	OR	OFF	2002/02/12 11:27
		((("381/118,119,120").CCLS.) and (loe adj pass adj filter\$ same high adj pass filter\$)	USPAT; EPO	OR	OFF	2003/08/08 14:58
		(musical adj instrument) and (band adj splitt\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/09/11 09:46
		S245 same S246 same S247	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 09:19
		S240 same S241 same S242	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 09:18
		S240 same S241 same S242 and @ay<="1998"	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 09:18
		((equi adj phase) or (equiphase)) and Splitt\$4	USPAT; EPO	OR	OFF	2005/12/29 10:58
		((704/226 or 704/227 or 704/228). ccls.) and (((equi adj phase) or (equiphase)) and Splitt\$4	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2005/05/04 16:34
		same with phase	USPAT; EPO	OR	OFF	2004/05/08 11:50
		same adj phase	USPAT; EPO	OR	OFF	2004/05/08 11:50

## EAST Search History

S22 9	242	aarts.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/12/29 11:54
S23 0	108	aarts.inv. and @ay<="1997"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/12/29 16:36
S23 1	1	("4653096").PN.	USPAT; USOCR	OR	OFF	2005/12/29 12:24
S23 2	17	linkwitz.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/29 14:17
S23 3	0	linkwitz and ((equi adj phase) or (equiphase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/29 14:20
S23 4	0	riley and ((equi adj phase) or (equiphase))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/08 11:14
S23 5	1	"9701306"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/12/29 16:37
S23 6	1	("6111960").PN.	USPAT; USOCR	OR	OFF	2005/12/30 11:31
S23 7	1	("4412100").PN.	USPAT; USOCR	OR	OFF	2005/12/30 11:32
S23 8	1	("4589135").PN.	USPAT; USOCR	OR	OFF	2005/12/30 12:46
S23 9	1	("4901618").PN.	USPAT; USOCR	OR	OFF	2005/12/30 12:46
S24 0	181404	((equi-phase) or (equal adj phase)) or ("same" with phase) or (in adj phase)	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 09:15
S24 1	971	(musical adj instrument) and (bandsplitter or Split\$4)	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 09:17



## EAST Search History

S24 2	21307	digital adj filter	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 09:17
S24 3	16	S240 and S241 and S242 and @ay<="1998"	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 09:19
S24 4	55795	((equi-phase) or (equal adj phase)) or ("same" adj phase) or (in adj phase) or (fix\$2 adj phase)	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 09:16
S24 5	69716	((equi-phase) or (equal adj phase)) or ("same" adj phase) or (in adj phase) or (fix\$2 adj phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 09:17
S24 6	1207	(musical adj instrument) and (bandsplitter or Split\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 09:57
S24 7	25515	digital adj filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 09:17
S24 8	0	S245 and S246 and S247 and @ay<="1998"	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/01 09:19
S24 9	0	S245 and S246 and S247 and @ay<="1998"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 09:20
S25 0	23	S245 and S246 and @ay<="1998"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/01 09:58